

PROJECT ADMINISTRATION DATA SHEET



ORIGINAL



REVISION NO. _____

Project No. A-3807GTRI/~~EXX~~DATE 4 / 11 / 84Project Director: Bill Ewing~~EXX~~/Lab

EDL

Sponsor: TRW IncorporatedType Agreement: P. O. No. 07-783210Award Period: From 4/1/84 To 5/15/84 (Performance) 5/15/84 (Reports)Sponsor Amount: This Change Total to DateEstimated: \$ 2,500\$ 2,500Funded: \$ 2,500\$ 2,500

Cost Sharing Amount: \$ _____

Cost Sharing No: _____

Title: Program Development for TRW

ADMINISTRATIVE DATA

OCA Contact

Brian J. Lindberg

x-4820

1) Sponsor Technical Contact:

David Pivarnik, CSP

TRW Aircraft Components Group

Mail Stop T13-18

23555 Euclid Avenue

Cleveland, OH 44117

(216)

2) Sponsor Admin/Contractual Matters:

Gene Hudak

Buyer

TRW, Inc.

23555 Euclid Avenue

Cleveland, OH 44117

(216) 692-5718

Defense Priority Rating: N/AMilitary Security Classification: N/A(or) Company/Industrial Proprietary: N/A

RESTRICTIONS

See Attached N/A Supplemental Information Sheet for Additional Requirements.

Travel: Foreign travel must have prior approval -- Contact OCA in each case. Domestic travel requires sponsor approval where total will exceed greater of \$500 or 125% of approved proposal budget category.

Equipment: Title vests with Sponsor; However, none proposed.

COMMENTS:

COPIES TO:

Project Director
Research Administrative Network
Research Property Management
AccountingProcurement/EES Supply Services
Research Security Services
Reports Coordinator (OCA)
Research Communications (2)

I. D. No. 01.219.000.84.008

GTRI
Library
Project File
Other I. Newton

SPONSORED PROJECT TERMINATION/CLOSEOUT SHEETDate April 26, 1985Project No. A-3807~~XXXX~~ School/Lab EDL

Includes Subproject No.(s) _____

Project Director(s) W. M. EwingGTRC ~~XXX~~Sponsor TRW, Inc.Title Program Development for TRWEffective Completion Date: 5/15/84 (Performance) 5/15/84 (Reports)

Grant/Contract Closeout Actions Remaining:

- ☐ None
- ☒ Final Invoice or Final Fiscal Report
- ☐ Closing Documents
- ☐ Final Report of Inventions
- ☐ Govt. Property Inventory & Related Certificate
- ☐ Classified Material Certificate
- ☐ Other _____

Continues Project No. _____

Continued by Project No. _____

COPIES TO:

Project Director
Research Administrative Network
Research Property Management
Accounting
Procurement/GTRI Supply Services
~~Research Security Services~~
Reports Coordinator (OCA)
Legal Services

Library
GTRC
Research Communications (2)
Project File
Other Heyser; Jones

A-3807

GEORGIA TECH RESEARCH INSTITUTE
ADMINISTRATION BUILDING
GEORGIA INSTITUTE OF TECHNOLOGY
ATLANTA, GEORGIA 30332

Telex: 542507 GTRIOCAATL
Fax: (404) 894-3120

Phone: (404) 894-4815
Refer To: LHB/01.219.000.84.010

19 April 1984

PROPOSAL NO. ED-EHS-3368

TRW Aircraft Components Group
Mail Stop T13-18
2355 Euclid Avenue
Cleveland, OH 44117

Attention: Mr. David Pivarnik, CSP

Subject: Research Proposal Entitled, "Hazard Assessment Program"

Gentlemen:

The GEORGIA TECH RESEARCH INSTITUTE is pleased to submit herewith the subject proposal prepared by Mr. William M. Ewing, Economic Development Laboratory, Engineering Experiment Station, Georgia Institute of Technology. The program to be undertaken, the time required, and the estimated costs of the program are discussed in the proposal. We are also enclosing for your review three copies of our standard research project agreement we propose using for this project.

You will note that this agreement is a cost-reimbursement, no profit, no loss type under which you will be invoiced in accordance with the effort actually applied against the project. Funds authorized will not be exceeded without your express permission. In the event the full amount is not required to reimburse our expenses, the savings accrue to you. The agreement also contains a provision giving you the right to terminate the project on ten days written notice to us.

If you have any questions or desire additional information in connection with this proposal, please do not hesitate to contact us. Matters relating to the technical program may be referred to Mr. Ewing at 404/894-3806. Contractual and business matters should be referred to the undersigned at 404/894-4815.

4/19/84

Should the attached proposal and agreement meet with your approval as prepared, please insert your state of incorporation, sign, and return two copies of the agreement to this office. The agreement will then be signed on behalf of the GEORGIA TECH RESEARCH INSTITUTE, a research project number assigned, and one fully executed copy returned for your file.

We appreciate the opportunity of submitting this proposal and look forward to the possibility of working with you on this project.

Sincerely,

Linda H. Bowman
Contracting Officer

Addressee: In triplicate
Enclosure: Proposal - in triplicate
Agreement - in triplicate

STATEMENT OF WORK

HAZARD ASSESSMENT PROGRAM TRW, INC. (Proposal No. ED/EHS-3368)

The GEORGIA TECH RESEARCH INSTITUTE is pleased to submit the following statement of work outlining the tasks to be performed by the Environmental Health and Safety Division of the Georgia Institute of Technology. These tasks are in support of TRW's program to assess and control (as necessary) potential hazards associated with asbestos-containing materials at their 23555 Euclid Avenue, Cleveland, Ohio facility. These tasks are as follows.

- Draft a policy statement for TRW's Aircraft Components Group concerning asbestos.
- Draft a memorandum to be sent to TRW employees concerning TRW's asbestos policy and employee protection.
- Provide written quality control procedures applicable to conducting building surveys for asbestos.
- Provide a sample written respiratory protection program to TRW's Health and Safety Manager.
- Conduct a survey of all accessible locations in the 23555 Euclid Avenue facility for the purpose of locating friable asbestos-containing materials. This survey would include locating all spray-applied insulation and collecting bulk samples of these materials. Samples would be collected at a rate of one sample per 5000 square feet (floorspace) for each sampling area. A minimum of three samples per sampling area will be collected. Based on a previous plant tour we estimate collecting 42 samples.
- During the above-mentioned survey, a list of badly damaged pipe lagging, boiler, tank, pump, furnace and other insulations will be noted and given to TRW's Health and Safety Manager. Samples will not be collected from pipes, tanks, boilers, pumps and furnaces.
- All bulk samples collected will be analyzed by Georgia Tech's EHSD Analytical Laboratory. Prior to this, ten percent (10%) of these samples will be split (selected at random) and delivered to TRW's Health and Safety Manager for analysis by an independent laboratory. (NOTE: Georgia Tech's EHSD Analytical Laboratory is accredited by the American Industrial Hygiene Association (AIHA #246) and successfully participates in the EPA-sponsored quality assurance program and the NIOSH proficiency analytical testing program for asbestos (bulk and air samples, respectively). Accordingly, we recommend the split sample QC laboratory chosen by TRW have similar qualifications).

- A report of the survey results will be prepared with (at a minimum) conclusions, recommendations, sampling protocol, analytical methods used, and a summary of the findings.
- Georgia Tech representatives will provide a brief training program (1-2 hours) for the maintenance personnel at this facility. This program will be repeated several times during the same week as the survey to accomodate TRW's work schedule (3 shifts).
- Review and provide written comments for limited work procedures prepared by Gandee, Architects & Engineers. (NOTE: Likewise, we would welcome review of Georgia Tech work by Gandee Associates).
- Conduct area air monitoring in selected areas to determine airborne fiber concentrations. It is anticipated that 14 samples will be collected and analyzed following procedures outlined in NIOSH method P&CAM 239 as required by OSHA (29 CFR 1910.1001). An additional 14 samples will be collected and delivered to TRW's Health and Safety Manager. These results, along with a summary of methods used will be provided to TRW in a written report.
- Based on the survey and air sampling data a report with recommended actions and priorities will be established in conjunction with TRW personnel.
- Provide a short management awareness program (15-30min) to TRW senior managers. This would be presented during the scheduled May senior staff meeting.
- Review and provide comments on TRW's recordkeeping system with respect to asbestos.
- Provide written procedures for on-going building monitoring.
- Prepare a draft EPA notification package using the "emergency renovation" provisions. (NOTE: initial contact with the EPA Region V representative indicates this may not be required. This is in conflict with previous similar projects).
- Draft a notification letter for external contractors performing work at this TRW facility concerning asbestos.
- Provide written procedures outlining an annual air monitoring program for asbestos at this facility.
- In conjunction with TRW, Georgia Tech will present portions of a one-day training seminar for plant managers and representatives from other TRW facilities.
- A schedule for performance of the above tasks has been mutually agreed upon and every effort will be made to adhere to this time table by TRW, Gandee, and Georgia Tech. However, since many tasks are dependent upon the completion of others beyond our control, we cannot assign completion

dates for each of the above tasks. Accordingly, performance for all of the above tasks will be from April 15, 1984 through August 15, 1984.

Please note that the accompanying itemized budget was prepared pursuant to this statement of work. Included in the budget are all laboratory fees for the sampling effort described and three trips to TRW's Cleveland facility.

ITEMIZED BUDGET

HAZARD ASSESSMENT PROGRAM
TRW, INC.
(Proposal No. ED/EHS 3368)

DIRECT SALARIES AND WAGES (DSW)	\$ 3674.
BENEFITS (23.5% of DSW)	863.
MATERIALS/SUPPLIES	200.
ANALYTICAL FEES	1694.
EQUIPMENT	0.
TRAVEL/SUBSISTENCE	<u>2751.</u>
MODIFIED TOTAL DIRECT COSTS (MTDC)	9182.
INDIRECT COSTS (49.4% MTDC)	<u>4545.</u>
TOTAL ESTIMATE	\$13,727.

Note: Benefits and Indirect Costs rates are effective for the period 7/1/83 - 6/30/84 and are subject to adjustment thereafter upon DCAA audit and ONR negotiation.